

# COOLMASTER

RC-1010

Installation Guide



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## Icon Description



A tool for assembling is needed

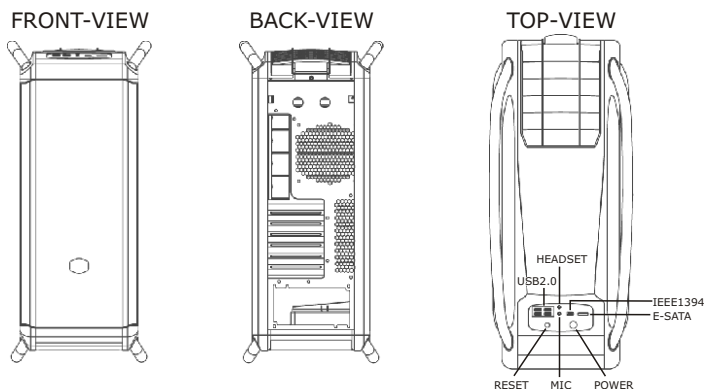
## 1. Product Overview

### 1.1 Specifications

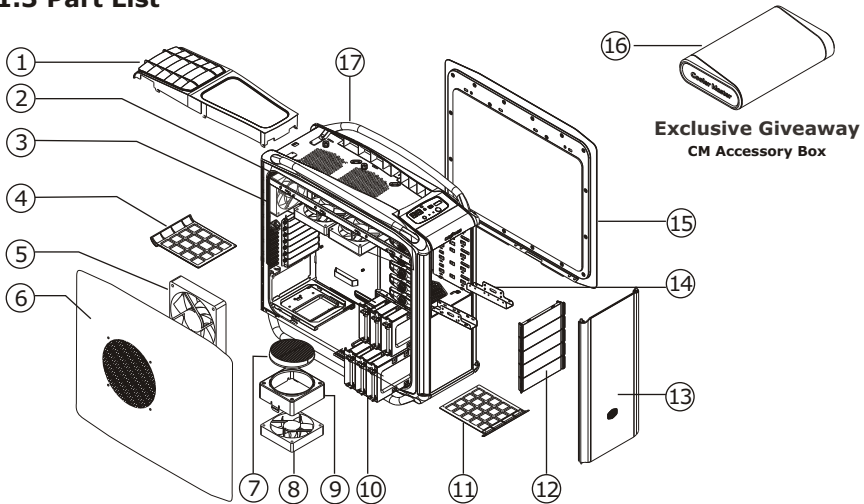
Available Color	Chassis:Silver , Bezel:Black
Dimensions	(W)266mm x (H)598mm x (D)628mm
Material	Chassis:STEEL Appearance:AL
M/B Type	Extended ATX, ATX
5.25" Drive Bay	5 Exposed (without the use of exposed 3.5" Drive bay) 4 Expose (with the use of one 3.5" Drive bay)
3.5" Drive Bay	6 Hidden; 1 Exposed (converted from one 5.25" Drive Bay)
Expansion Slot	7
Cooling System	Bottom fan: 120x120x25 mm x 1, 1200 rpm, 17 dBA (intake, included) Top fan: 120x120x25 mm x 2, 1200 rpm, 17 dBA (exhaust, included) Rear fan: 120x120x25 mm x 1, 1200 rpm, 17 dBA (exhaust, included) Side fan: 120x120x25 mm x 1, 1200 rpm, 17 dBA(intake, included) All case fans included support PWM function HDD fan: 120x120x25 mm x 1, 1200rpm, ( Optional )
I/O Panel	USB 2.0 x 4, IEEE 1394 x 1, Audio x 1, SPK x 1, eSATA x 1(Support Intel HD Audio)
Power Supply	PS2 / EPS 12V ( Optional )

Product specifications are subject to change without notice ◦

### 1.2 Diagram



## 1.3 Part List



Item	Parts Name	Q'ty
1	Top Cover	1
2	Rear Fan 120x25mm	1
3	Top Fan 120x25mm	2
4	Filter (Rear)	1
5	Side Fan 120x25mm	1
6	Left Side Panel	1
7	Shutter Fan Cover	1
8	Bottom Fan 120x25mm	1
9	Fan Holder	1

Item	Parts Name	Q'ty
10	HDD Tray	6
11	Filter (Front)	1
12	5.25" Shield	5
13	Front Door	1
14	FDD-Bracket	2
15	Right Side Panel	1
16	CM Accessory Box	1
17	Casing	1

## 1.4 Accessory Carrying Case

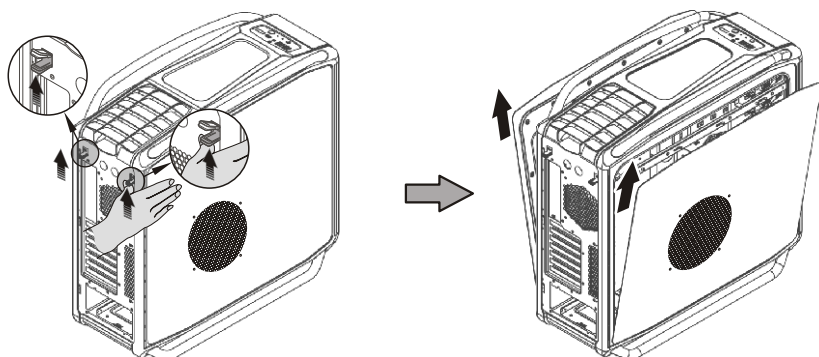
Figure	Parts Name	Q'ty	Used for
	Screw Driver (Keyring)	1	For system install
	Cable Tie	20	Cable Management
	HDD-Screw	24	For HDD
	Stand-off (16.9mm)	3	M/B Tray (for Extend ATX M/B)
	Stand-off (6.5mm)	17	M/B Tray
	#6-32	40	MB Tray, Power
	M3	30	CD-ROM, FDD, 3.5" Bracket
	Extended Cable	1	For Power Cable 8 pin
	Tie Mount	8	Power cable management

## 2. Installation Guide

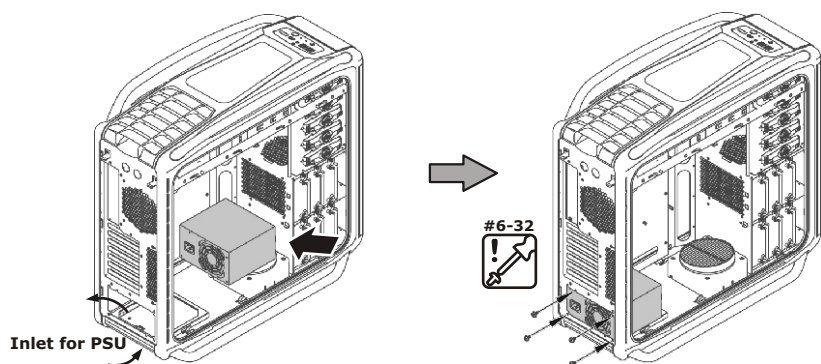
**Note:** The sequence of installation may differ depending on the type of case and devices used.

### 2.1 How to remove the Side Panel and install the Power Supply.

#### 1 Remove the Side Panel



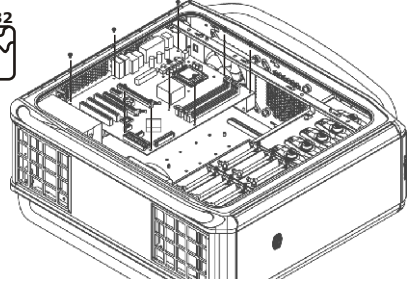
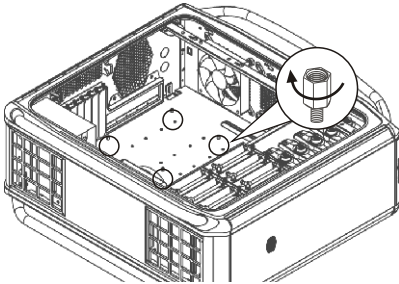
#### 2 Install the Power Supply





## 2.2 How to install the Motherboard.

**Note:** If the I/O plate of the case does not fit your motherboard, please remove the I/O plate and replace it with the one provided with the motherboard.

- ① Align the stand-off holes of M/B with MB tray and screw the stand-offs.
- ② Make sure the holes on the Motherboard and chassis line up completely before securing the screws.

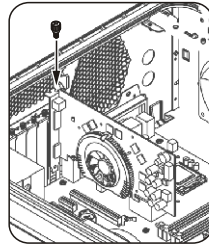
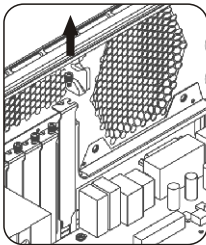


 Stand-off (16.9mm) for Extend ATX M/B

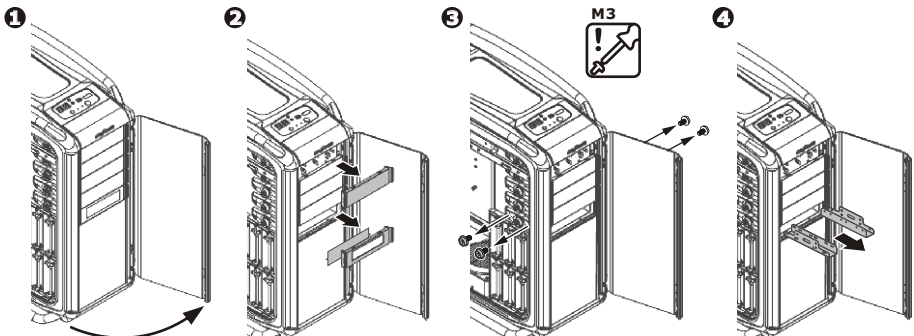
 Stand-off (6.5mm) for ATX M/B

## 2.3 How to install the add-on cards.

- ① Remove the back slot plate and install the add-on card into the slot on the Motherboard
- ② Secure the screw

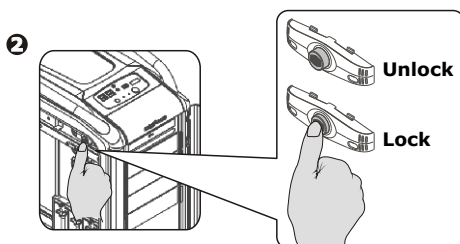
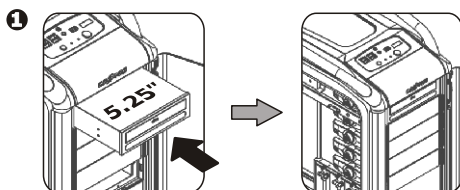
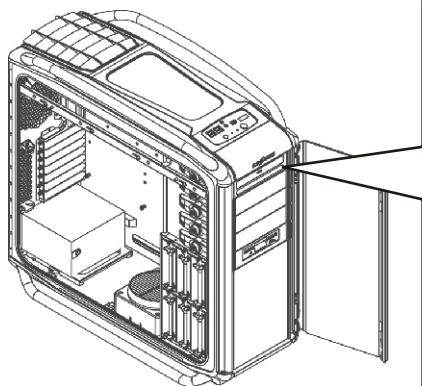


## 2.4 How to install the 3.5" and 5.25" Devices.

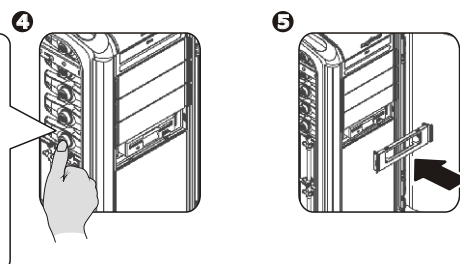
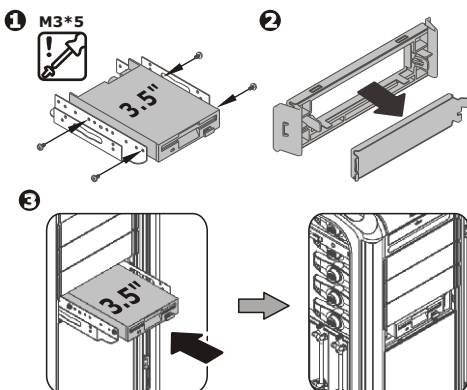
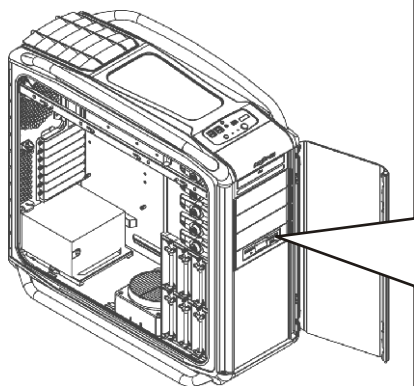


**Notice:** We strongly recommend installing a device that is no bigger than 3.5" in the 5" device bay to guarantee optimal thermal performance for HDDs.

\* Insert the device into 5.25" drive bay

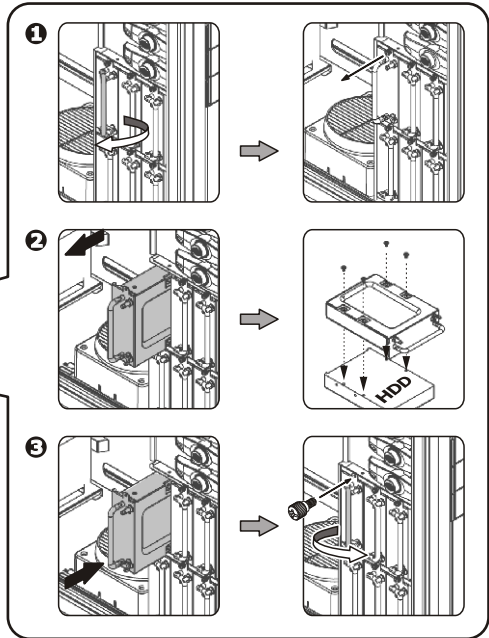
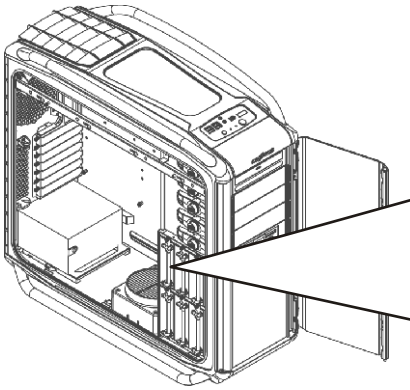


\* FDD/Card Reader Installation





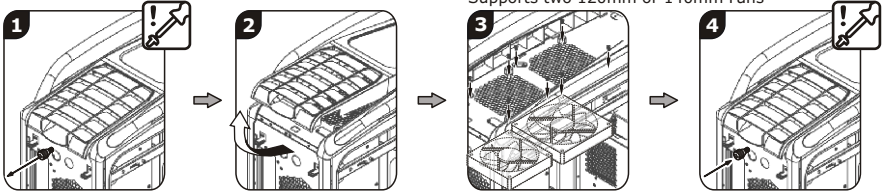
## \* Installation of IDE and SATA Hard Drives



## 2.5 How to install / replace case Fans

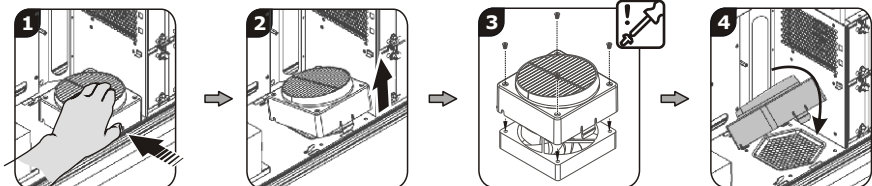
### \* Install or replace the top fans

Supports two 120mm or 140mm Fans

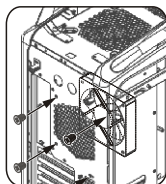


### \* Replace the bottom fan

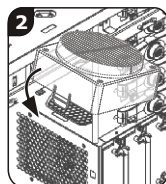
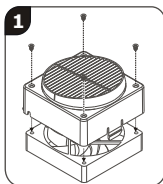
Supports 120mm Fan



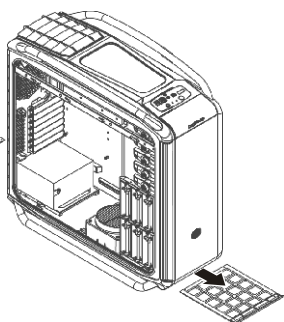
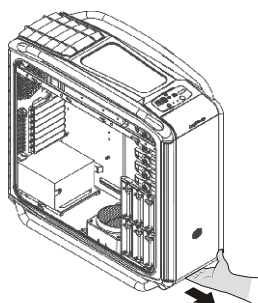
\* Install the rear fan (Optional item)



\* Install the HDD fan (Optional item)

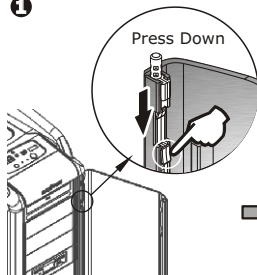


## 2.6 How to clean the filter

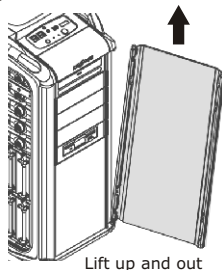


## 2.7 Change the opening direction of the front panel

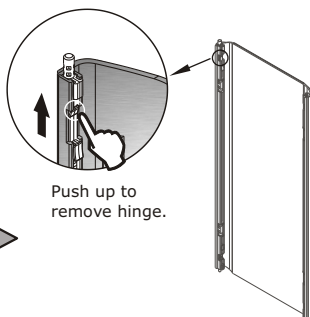
①

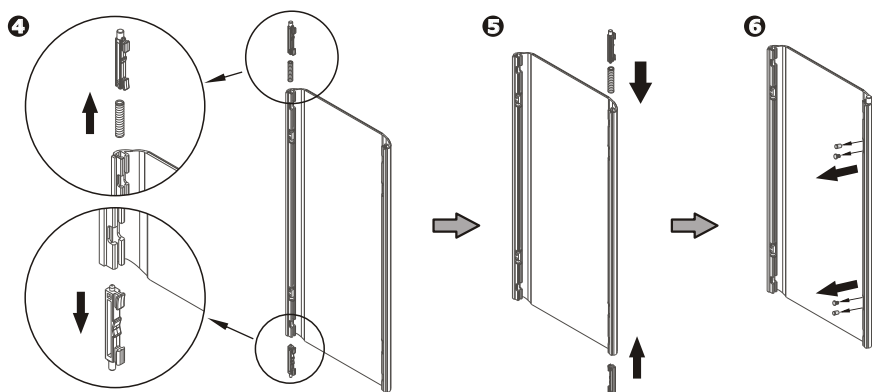


②

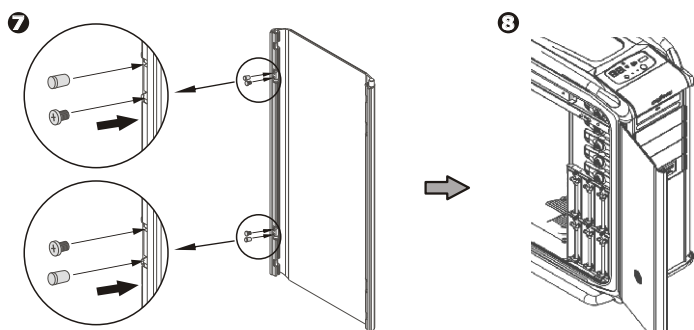


③





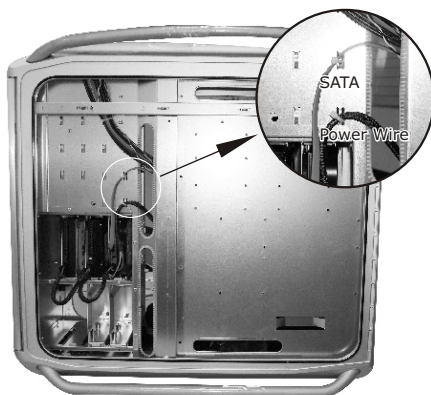
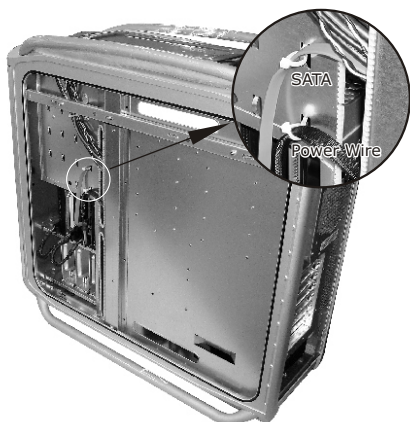
Remove hinges and insert into other side



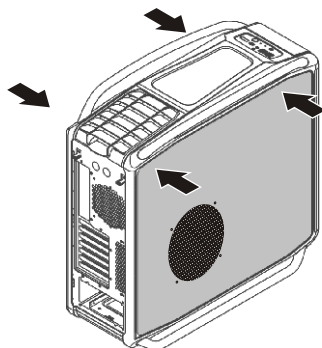
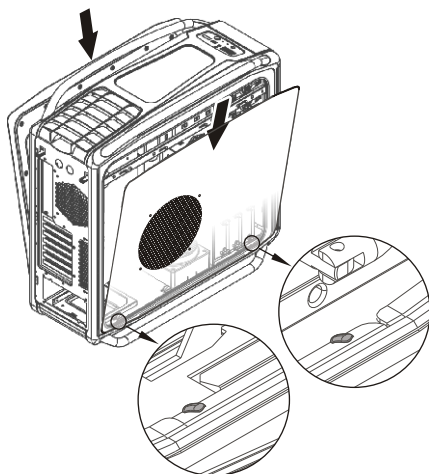
Switch the magnet and screw to the opposite side.

Replace door - it should now open from the opposite direction.

## 2.8 Cable Management



## 2.9 Completing Installation

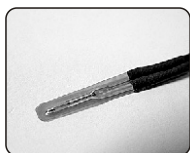
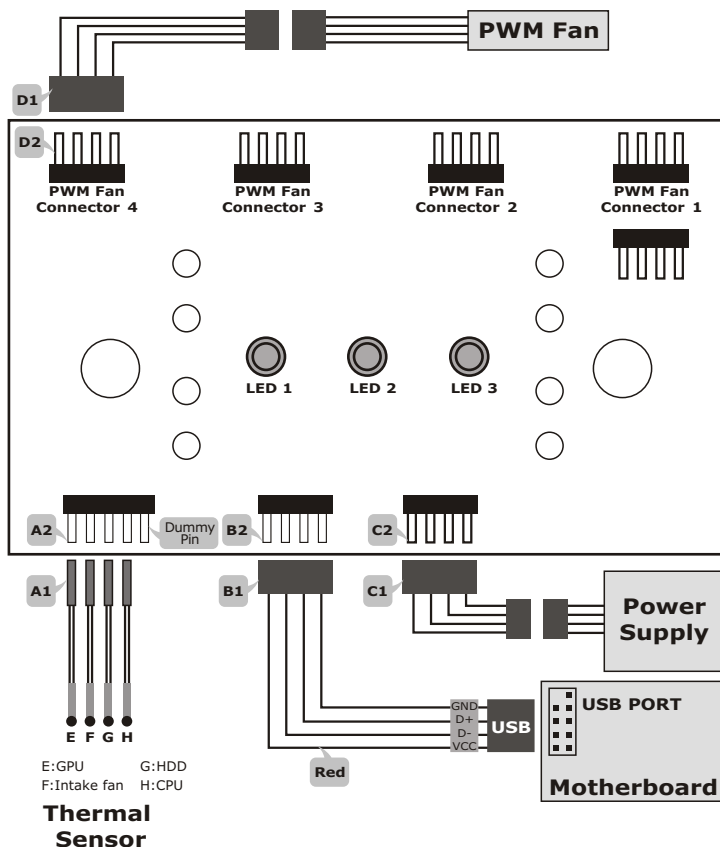


### 3. I/O Function Panel Installation Guide

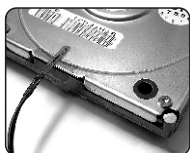
- Please refer to the illustration in the section of USB2.0, IEEE 1394a, eSATA and Audio connector from the motherboard user manual. Please select the motherboard which uses the same USB2.0, IEEE1394, eSATA, AC'97,HD Audio standard as below; otherwise, it will cause damages to device(s).
- The following illustration is a connection diagram for the front panel I/O cable.
- NEVER connect an IEEE1394 cable to the USB2.0 connector. Doing so will damage the device.
- NEVER connect a USB2.0 cable to the IEEE1394 connector. Doing so will damage the device.
- On some motherboards, the connectors for IEEE1394, eSATA, USB2.0 and Audio are not the same as the drawing below. Please check with your motherboard manual before installing.

Motherboard	Cable
<b>Front panel IEEE 1394 connector</b> 	<b>IEEE 1394 connector</b> 
<b>Front panel USB connector</b> 	<b>USB connector</b> 
<b>Front panel eSATA connector</b> 	<b>eSATA connector</b> 
<b>AC'97</b> 	<b>AC'97 Connector</b> 
<b>Azalia (Intel High Definition Audio)</b> 	<b>HD Connector</b> 

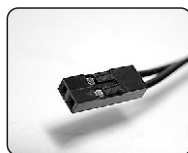
## 4. Connection Diagram



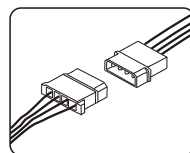
Thermal Sensor



Thermal Sensor attaches to the surface of Hard Drive



A1: 2-Pin Thermal Sensor Connector



C1: 4 Pin, Power Connector

A1:(2-Pin Thermal Sensor Connector)	A2:(2 Pin Header)
B1:(4 Pin USB Connector)	B2:(USB Pin Header on Controller Board)
C1:(4 Pin Power Connector)	C2:(4 Pin 12V Power Header)
D1:(4 Pin PWM Fan Connector)	D2:(4 Pin PWM Fan Header)

- LED 1 lights once the temp. of GPU is higher than the thermostatic setting.
- LED 2 lights once the temp. of Intake is higher than the thermostatic setting.
- LED 3 lights once there is a problem with the ESA system
- Depending on the demand, users can use Thermal Sensor to monitor the hardware like HDD, CPU and so on



***Expand Your Imagination***



**Cooler Master Co., Ltd.**

**9F, No. 786, Chung Cheng Road, Chung Ho city, Taipei, Taiwan, R.O.C.**

**Tel: +886-(0)2-32340050**

**Email: [info@coolermaster.com.tw](mailto:info@coolermaster.com.tw)**

**Web: <http://www.Coolermaster.com>**

For the most updated information, please visit our official website: <http://www.coolermaster.com>

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